

ANNEX A

DIFFERENTIAL ITEMS WHICH BEST SATISFY THE CRITERIA

<u>Item No.</u>	<u>Description 1/</u>
2001 -	Vertical boring and turning mills
2002 -	High precision (fine) boring machines
X 2003 -	Horizontal combination boring, drilling and milling machines (large size only)
X 3011 -	Internal cylindrical grinding machines, mechanical or hydraulic feed, production types only
3012 -	Combined internal and external cylindrical grinding machines
3018 -	Crankshaft, crankpin, and camshaft grinders, with capacity for shafts 48 inches (1.22 m) long or over
2050 -	Horizontal spindle bed type automatic milling machines (cycle type) with specified dimensions
2052 -	Planing machines, planer milling machines, and combination planer and planer milling machines
X 3067 -	Metal cutting and working tools (not incorporating diamonds) for machine operations, as follows: (a) broaching tools, (except those covered by item 1087); (b) gear cutting tools, (except hobs); (c) forging roll sets
2070 -	Forging hammers, as follows: (a) having a falling weight of 3 tons up to and including 6 tons (English or metric); (b) steam, air or mechanical hammers of rated sizes 2.5 tons up to and including 5 tons (English or metric)
X 3072 -	Presses, mechanical and hydraulic with rated pressures 1000 tons or less. (Sizes 1000 to 400 tons only are included) (see Annex B)

1/ Condensed definitions are given throughout this paper. The full official definitions are given in U.S. Department of Commerce United States Master Export Security List (confidential) and in Consolidated China Special List (secret)

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<u>Item No.</u>	<u>Description</u>
2074 -	Forging machines as follows: (a) forging machines capable of operating on bar stock of a diameter exceeding 3.5 inches (8.9 cm) or of equivalent cross section; (b) forging roll machinery
2129 -	Pumps (except vacuum pumps) having all flow contact surfaces made of 10 percent or more chromium or nickel, either separately or combined
X C-131 -	Pumps (specially defined)
2133 -	Pipe valves and cocks having all flow contact surfaces made of 10 percent or more chromium or nickel (except check, non-return and float; low pressure; and those designed for household appliances)
2154 -	Steel pipe, casing and tubing, welded or seamless over 2 1/2 inches
X 2265 -	Electric motors, n.e.s., 5000 to 12,500 hp.
X 2266 -	Electric generators, turbogenerators and turbines 5000 - 60,000 kw
X C-266 -	Power equipment, n.e.s.
2270 -	Turbines, all types 2000 hp and over
C-270 -	Turbines all types over 300 hp, n.e.s. (<u>except</u> those designed for driving electric generators).
C-306 -	Tinning units, electrolytic-automatic continuous
2401 -	Dredges and specialized dredge equipment
2405 -	Ice breakers of under 2,000 shaft hp and similar vessels designed for breaking ice, having specified characteristics
2415 -	Other vessels (merchant ships as defined)
X 2416 -	Fishing vessels and hulls therefor (as defined)
X 3416 -	Fishing vessels and cutters (as defined)
2450 -	Automotive vehicles and chassis, having front and rear drives, n.e.s., and specially designed parts therefor
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<u>Item No.</u>	<u>Description</u>
X C-450 -	Motor vehicles and equipment, and parts, n.e.s.
2479 -	Well cars with a load capacity of 80 tons or over
3481 -	Automatic (block type) railway signal equipment
C-505 -	Coaxial electric cable of all types, n.e.s.
X 2568 -	Electronic automatic controlling units
2580 -	Continuous measuring pH equipment
X 2601 -	Anti-friction bearings (mainly medium size and excluding those on IL-I)
C-605 -	Transformer and choke laminations and core assemblies, n.e.s. made of nickel or electrical steel
2635 -	Aluminum metal and alloys, n.e.s.
2636 -	Nickel-bearing alloy steels, n.e.s.
3652 -	Copper and copper-base alloy semifinished and finished products
2671 -	Titanium carbide
3715 -	Boric acid and borates
2764 -	Toluene
3768 -	Crude petroleum

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ANNEX B

DIFFERENTIAL ITEMS OF LEAST ECONOMIC STRATEGIC IMPORTANCE

(II/II. II/III. AND CONSOLIDATED CHINA SPECIAL LIST)

Group 0: Metalworking Machinery

- X 2003 Horizontal combination boring mills (Small sizes only)
(See Annex A)
- X 3008 Multi-station tools
- X 3017 Single spindle grinders, n.e.s. with table 12" or more
- X 3055 Horizontal, draw cut, shapers
- X 3072 Presses, mechanical and hydraulic (Size 400 tons and less only
is included) (See Annex A)
- X C-001 Metal working machinery, n.e.s. (Metal cutting but not metal
forming)

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DIFFERENTIAL ITEMS OF LEAST ECONOMIC STRATEGIC IMPORTANCE

(IL/II, IL/III, AND CONSOLIDATED CHINA SPECIAL LIST)

Group 1: Chemical and Petroleum Equipment

- C-104 Liquid/liquid solvent extraction equipment, n.e.s.
- C-111 Methanol oxidation equipment
- X C-117 Water treatment equipment (industrial)
- C-141 Gages for measuring pressure over 100 atmospheres
- C-142 Moulding machines for plastics (extrusion, injection, and other)
- C-143 Pipe and tubing lined with corrosion resistant material (pipes lined with carbon and graphite only as described in part "b" of the full definition only)

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Group 2: Electrical and Power Generating Equipment

- X C-210 Welding machines and equipment, n.e.s., and parts therefor
(including electrodes - rod and wire - n.e.s.)
- X C-255 Diesel engines, n.e.s. (small sizes only)*
- X C-256 Internal combustion engines (small sizes only)

* This item no longer appears on the China Special List separately but is believed to be covered by item 256; since it is mentioned separately in the Japanese proposal it is included in this paper for sake of completeness.

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Group 3: General Industrial Equipment

- C-301 Foundry plant, n.e.s.
- C-302 Furnace equipment: Pressure-top equipment (i.e., top equipment for blast furnaces designed to facilitate the retention during the recharging process of the pressure and temperature generated during the preceding heat for use with the new charge)
- X C-303 Crucibles, artificial and natural graphite
- C-315 Hard-chrome plating plants (except small barrel-type electro-plating plants for decorative purposes)
- C-316 Metal-spraying equipment
- X C-320 Materials-handling equipment, as follows:
 - (a) Fork-lift trucks;
 - (b) Platform trucks;
 - (c) Other industrial-type trucks, tractors, trailers and stackers
- X C-321 Civil engineering and building equipment
- X C-376 Air-conditioning units (self-contained, capacity over 8,000 BTU per hour)
- X C-381 Portable hand-held tools, (a) metal working, (b) mining and quarrying, (c) transportation and servicing
- C-382 Jacks, 10-ton capacity and over
- X C-385 Core drills, and core drill bits, n.e.s.
- C-388 Dynamometers capable of absorbing more than 300 brake hp.
- X C-390 Graphite, as follows:
 - (a) Graphite (artificial) and amorphous carbon
 - (b) Powder (carbon only)

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Group 4: Transportation Equipment

- C-470 Locomotives and locomotive parts n.e.s.
(Mining industrial and switching only)
- 3472 Flat cars with a load capacity of 40 tons or over
- 3479 Railway well cars with a loading capacity from 40 tons up to, but not including, 80 tons
- X C-401 Watercraft, n.e.s. and important components
- C-430 Steel cable, rope, strand, or cord of all types, n.e.s.
- X C-471 Railway rolling stock, n.e.s., and parts therefor
- X C-472 Railway rails, n.e.s.

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(II/II, II/III, AND CONSOLIDATED CHINA SPECIAL LIST)

Group 5: Electronics and Precision Instruments

- C-560 Balances of sensitivity of 0.01 milligram or better, n.e.s.
- C-562 Cartographic instruments
- C-564 Electronic heating instruments used in the metallurgical industry, n.e.s.
- X C-566 Measuring and testing instruments for use in engineering workshops, n.e.s.
- X C-567 Metallurgical microscopes, n.e.s., or devices (illuminators) specially designed or adapted for attachment to any other microscope, for the purpose of examination of opaque specimens, whether or not in combination with a camera (metallograph)
- X C-568 pH meters, n.e.s.; and components thereof
- X C-572 Pyrometers, as follows:
 - (a) Optical pyrometers - disappearing-filament types;
 - (b) Radiation type pyrometers;
 - (c) Parts for the above optical and radiation type pyrometers.
- C-573 Quartz crystals and plates, n.e.s.
- X C-574 Spectrographs, spectrometers, and monochrometers, as follows:
 - (a) Grating types, n.e.s.
 - (b) Prism types, n.e.s.
 - (c) Infra-red types, n.e.s.
- X C-575 Surveying instruments
- X C-576 Telescopes and binoculars (except opera glasses having no prisms and magnification less than x3 1/2)
- X C-577 Voltmeters, ammeters, and microammeters, n.e.s., (including portable test type) - precision indicating types, with an accuracy of 0.5 per cent of full scale deflection.

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(IL/II, IL/III, AND CONSOLIDATED CHINA SPECIAL LIST)

Group 5: Electronics and Precision Instruments (continued)

- G-578 Warburg apparatus for the examination of living tissue
- G-582 Electrometers (except student type), n.e.s.
- X G-584 Micro-hardness testers
- X G-586 Strain gauge equipment, electric recording; and specialised parts therefor

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Group 6: Metals, Minerals, and Their Manufactures

- C-640 Antimony
- C-641 Cadmium
- C-642 Calcium metal
- C-661 Potassium metal
- C-662 Sodium (metallic)
- C-663 Strontium
- C-665 Tin
- C-666 Ferrotitanium
- C-667 Tungsten (except wire, covered under IL/1668)
- C-668 Vanadium
- X C-669 Zinc (all forms except manufactures)
- C-670 Zirconium (except as covered under A-8)*
- C-680 Raw and manufactured asbestos
- C-685 Mica
- C-690 Steatite (talc)

* International Atomic Energy List

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Group 7: Chemical and Petroleum Products

- 3753 Phenol
- 3766 Polyvinylbutyral
- X C-703 Ships' bottom compositions: anti-corrosive and anti-fouling
- C-704 Metallo-organic artificial colouring matters of cobalt, molybdenum or tungsten, n.e.s.
- C-705 Hydraulic fluids or oils, castor oil base
- C-712 Aluminum chloride (anhydrous)
- C-715 Benzene of benzole
- X C-720 Cellulose nitrate containing not more than 12.3 per cent nitrogen
- X C-722 Chromium compounds, as defined.
- C-723 Cresylic acid including para-meta-and ortho-cresol and xylenol
- C-729 Glycols and their derivatives, as defined
- X C-730 Glycerine
- C-731 Hydroquinone
- C-732 Iso-propyl alcohol
- X C-733 Methanol
- C-736 Monochlorobenzene; mononitrobenzene
- X C-738 Paraffin wax; petroleum jelly
- C-739 p-aminophenol and salts

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(II/II, II/III, AND CONSOLIDATED CHINA SPECIAL LIST)

Group 7: Chemical and Petroleum Products (Continued)

- X C-742 Permanganates calcium and potassium
- C-743 Persulphates: sodium, potassium and ammonium
- X C-744 Phosphorus, all kinds
- C-746 Phthalic anhydride; and phthalic esters
(except alkyd resins)
- X C-752 Sodium cyanide (chemical grades)
- C-754 Styrene (monomer); dichlorostyrone (monomer);
polydichlorostyrene and its moulding powders,
sheets, rods, and tubes
- C-755 Thallium bromiodide
- C-757 Vanadium compounds (including catalysts)
- X C-771 Petroleum Asphalt
- C-788 Coke, and coke flour, derived from:
(a) Petroleum or
(b) Coal tar pitch

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Group 8: Rubber and Rubber Products

- C-802 Rubber solution, n.e.s.
- C-805 Rubber scrap
- C-840 Water-lubricated bearings, n.e.s.
(See also item 1840)
- C-841 Rubber hose and tubing made from neoprene and N-type
rubbers only with $\frac{1}{2}$ inch (13 mm.) inner diameter and
over

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Group 9: Miscellaneous

- X C-901 Abaca and sisal: Fibres and cordage (yarn, twine, cord, rope)
- C-905 Asbestos textiles and yarn
- C-910 Raw optical glass in the mass (tinted or untinted)
- C-920 Photo-plan printing machines, non-optical

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